

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119128.D
 Acq On : 28 Feb 2020 1:02
 Operator : CG/JU
 Sample : L1696-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 02:59:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	140000	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	481454	20.00	ng	0.00
39) Acenaphthene-d10	9.78	164	219945	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	338101	20.00	ng	0.00
76) Chrysene-d12	13.90	240	341026	20.00	ng	0.00
87) Perylene-d12	15.33	264	382259	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	712190	85.01	ng	0.00
7) Phenol-d6	6.39	99	827107	81.18	ng	-0.01
23) Nitrobenzene-d5	7.31	82	520292	57.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	189072	65.71	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	893372	59.84	ng	0.00
79) Terphenyl-d14	12.85	244	892226	45.04	ng	0.00

Target Compounds

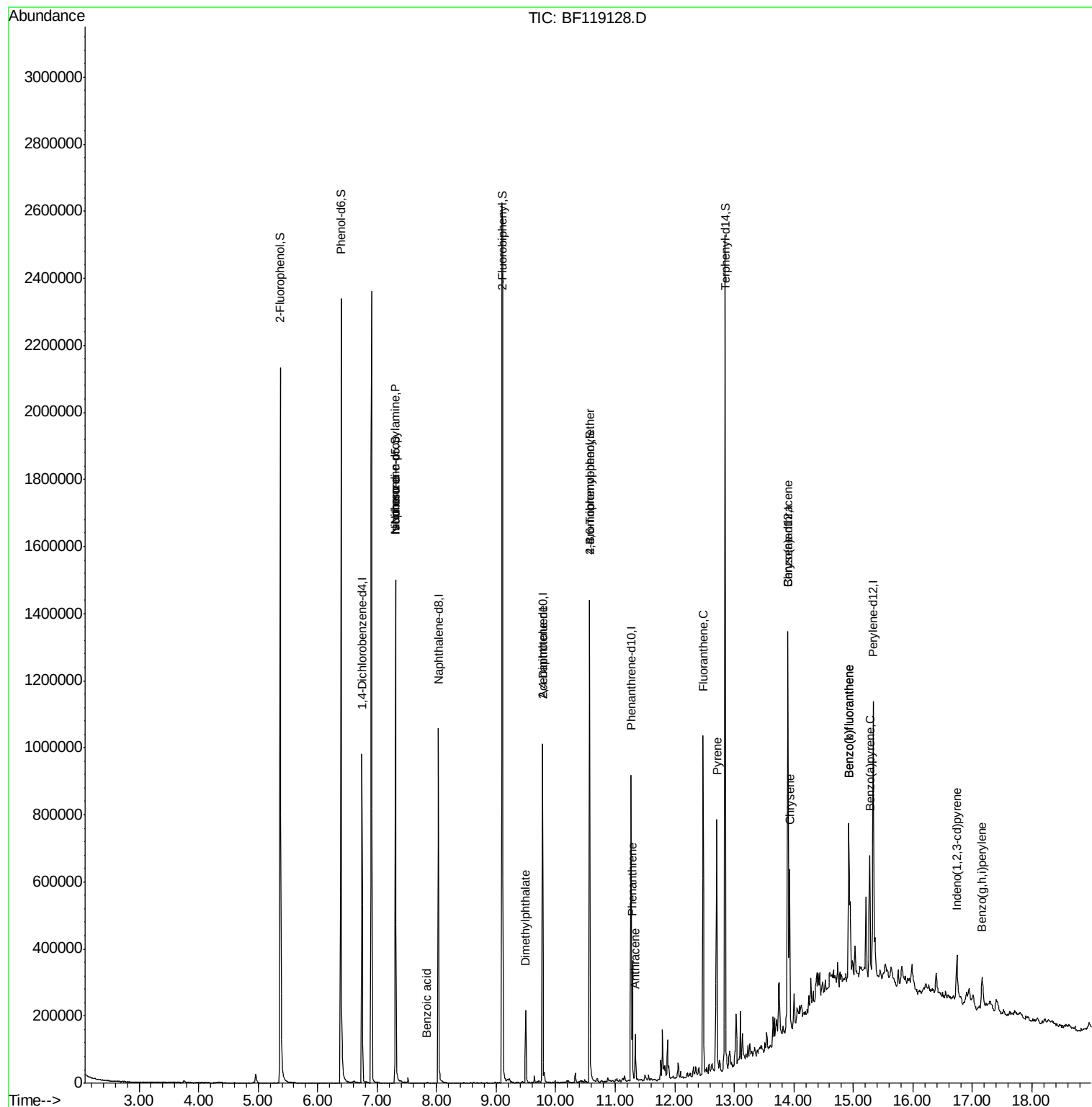
						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	72254	12.171	ng	# 74
25) Isophorone	7.31	82	517507	32.679	ng	# 63
32) Benzoic acid	7.84	122	115	6.701	ng	# 1
50) Dimethylphthalate	9.50	163	101280	6.022	ng	99
57) 2,4-Dinitrotoluene	9.78	165	28423	5.868	ng	# 20
67) 4-Bromophenyl-phenylether	10.57	248	12390	2.804	ng	# 1
71) Phenanthrene	11.29	178	130949	7.102	ng	97
72) Anthracene	11.34	178	60011	3.257	ng	96
75) Fluoranthene	12.47	202	379453	19.388	ng	98
78) Pyrene	12.70	202	314546	11.486	ng	98
81) Benzo(a)anthracene	13.89	228	212256	9.135	ng	100
83) Chrysene	13.93	228	193104	8.340	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	83273	3.714	ng	95
88) Benzo(b)fluoranthene	14.92	252	343430	13.630	ng	97
89) Benzo(k)fluoranthene	14.92	252	343430	14.708	ng	97
90) Benzo(a)pyrene	15.27	252	174145	7.658	ng	98
92) Benzo(a,h,i)perylene	17.16	276	76380	3.863	ng	94

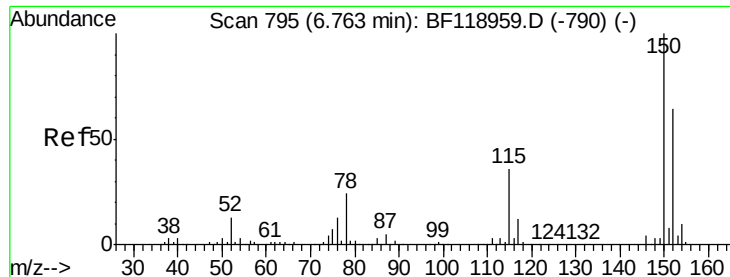
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119128.D
Acq On : 28 Feb 2020 1:02
Operator : CG/JU
Sample : L1696-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 28 02:59:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
Response via : Initial Calibration



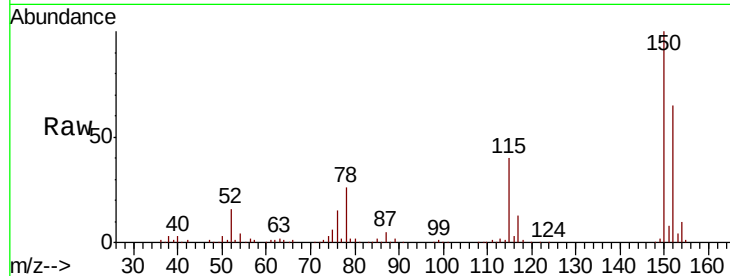


#1

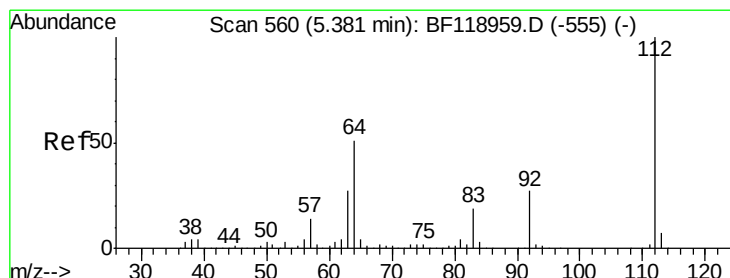
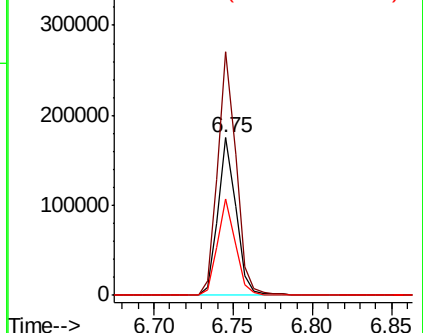
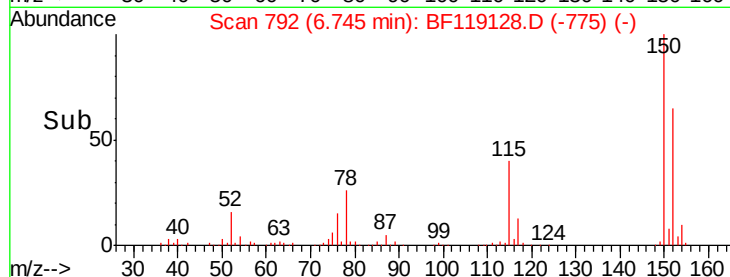
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF119128.D
 Acq: 28 Feb 2020 1:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.0	184.6
115	61.3	49.5	74.3



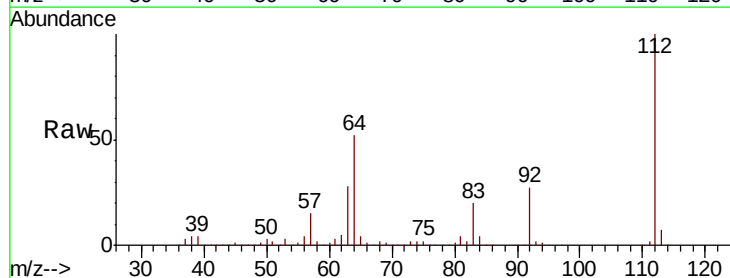
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



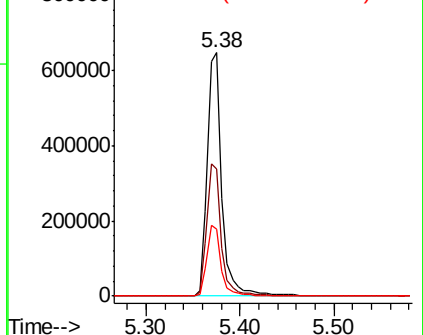
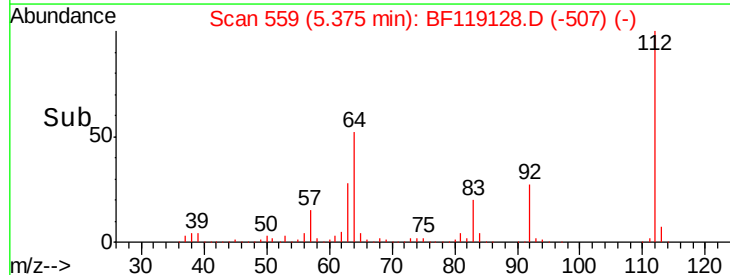
#5

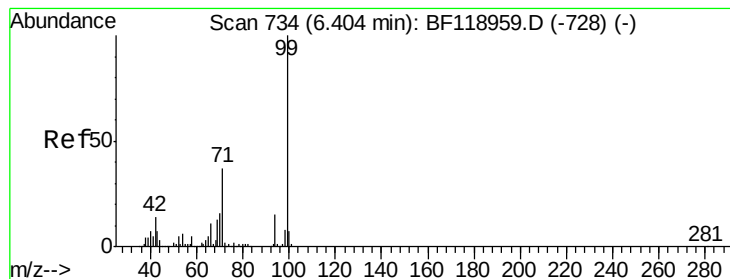
2-Fluorophenol
 Concen: 85.014 ng
 RT: 5.38 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: BF119128.D
 Acq: 28 Feb 2020 1:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	45.0	67.4
63	27.5	24.2	36.4



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 81.181 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

Instrument :

BNA_F

ClientSampleId :

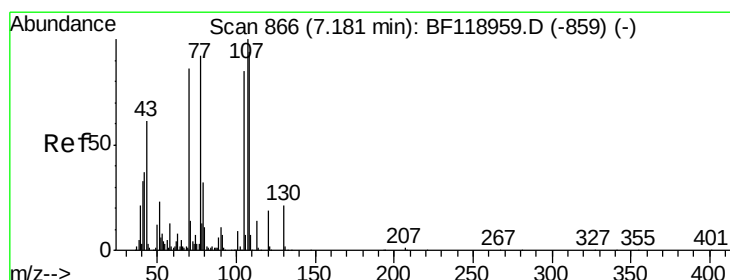
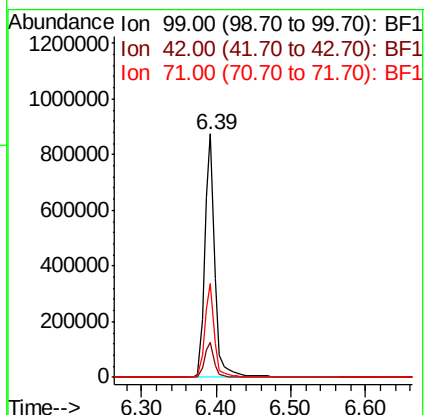
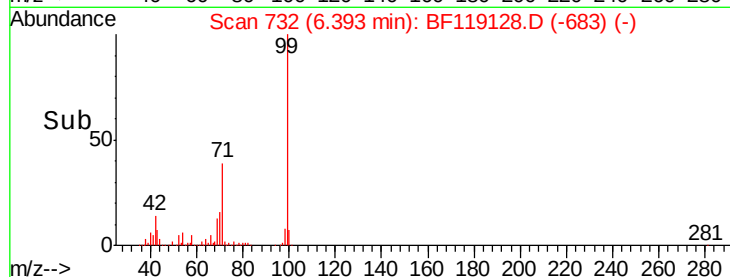
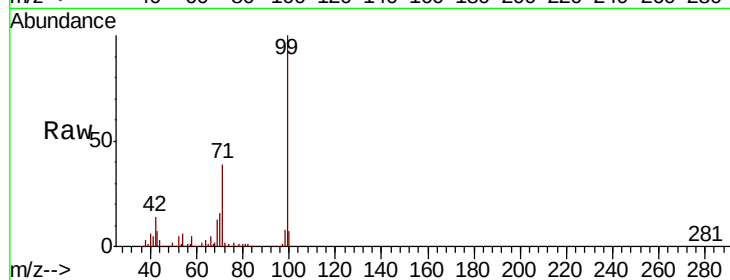
Tot Ion: 99 Resp: 827107

Ion Ratio Lower Upper

99 100

42 14.3 12.6 18.8

71 38.6 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.171 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

Tgt Ion: 70 Resp: 72254

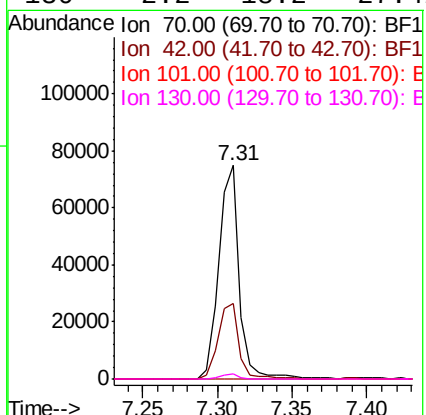
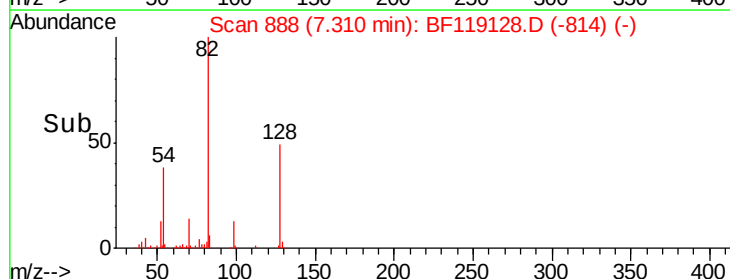
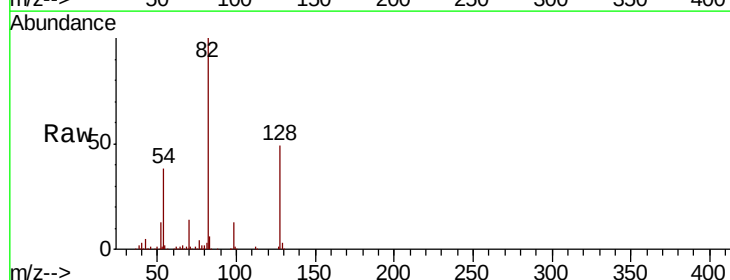
Ion Ratio Lower Upper

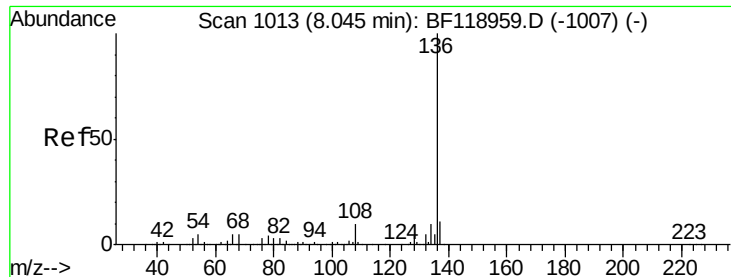
70 100

42 35.2 38.0 57.0#

101 0.0 8.2 12.4#

130 2.2 18.2 27.4#

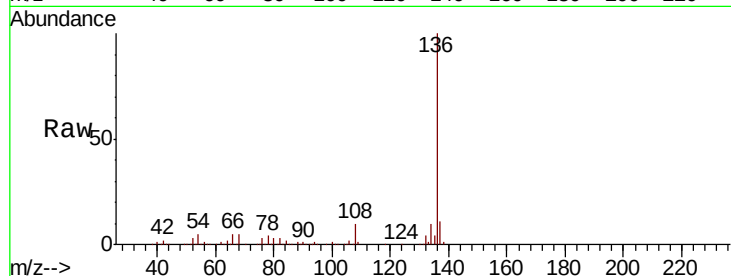




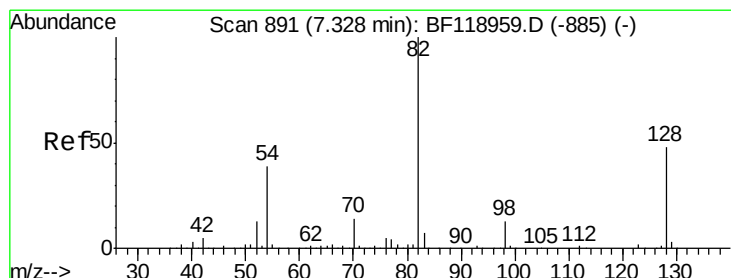
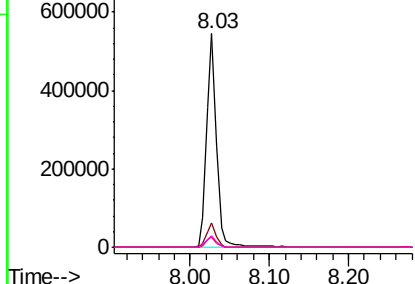
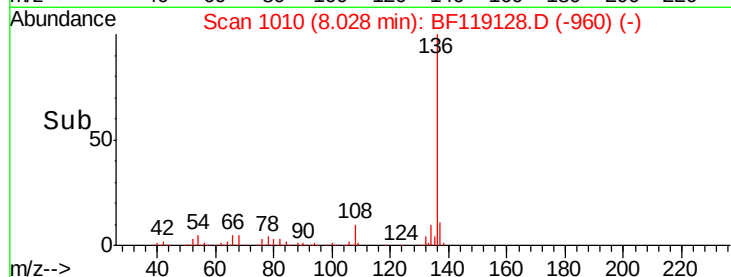
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	481454
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	5.0	3.8 5.6
68	5.1	3.9 5.9

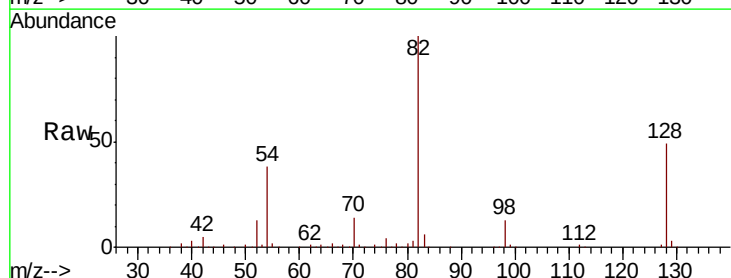


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

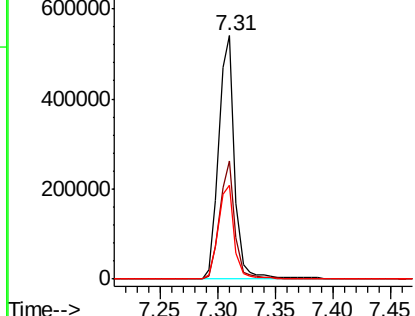
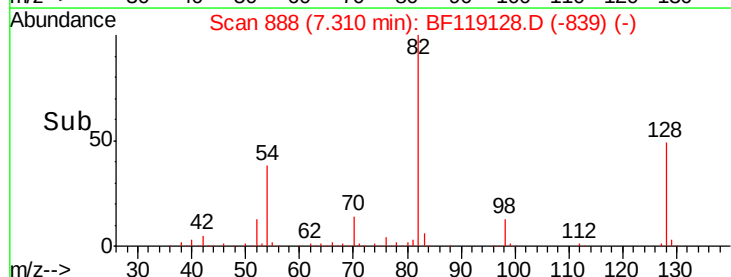


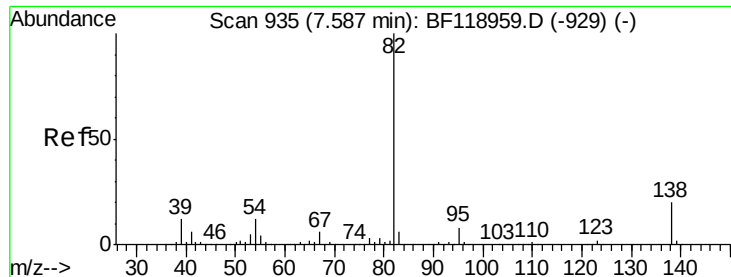
#23
Nitrobenzene-d5
Concen: 57.059 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

Tgt Ion: 82	Resp:	520292
Ion Ratio	Lower	Upper
82	100	
128	48.8	37.9 56.9
54	38.3	33.4 50.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.679 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

Instrument :

BNA_F

ClientSampleId :

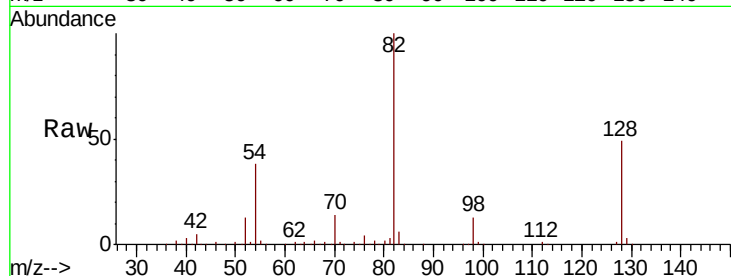
Tot Ion: 82 Resp: 517507

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

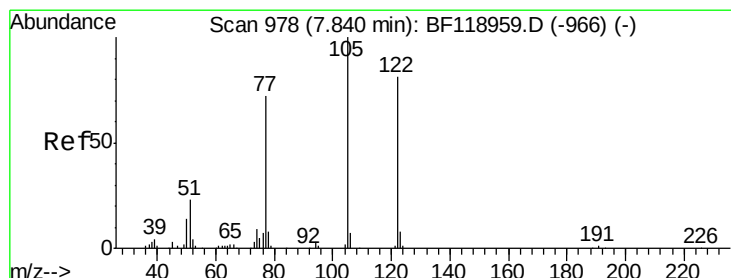
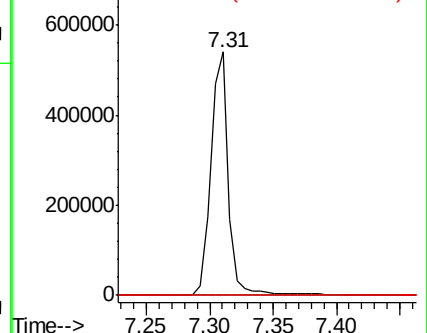
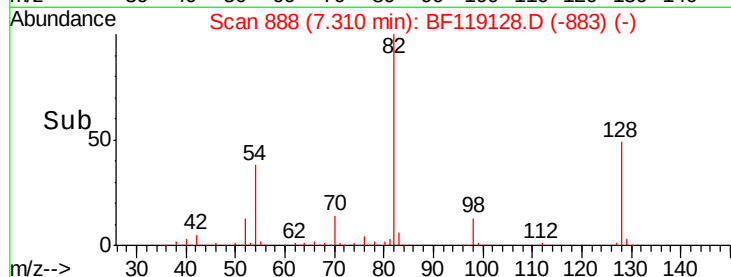
138 0.0 15.7 23.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.701 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.02 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

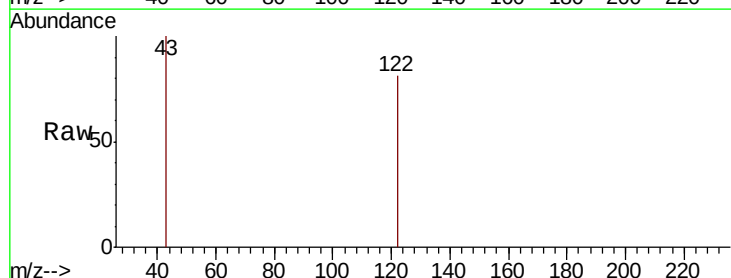
Tgt Ion: 122 Resp: 115

Ion Ratio Lower Upper

122 100

105 0.0 106.3 146.3#

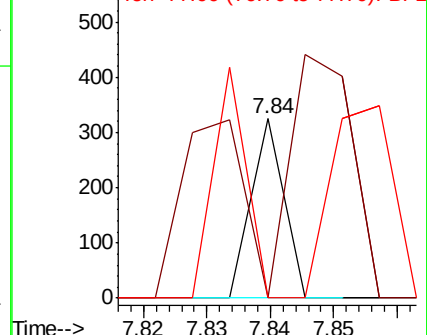
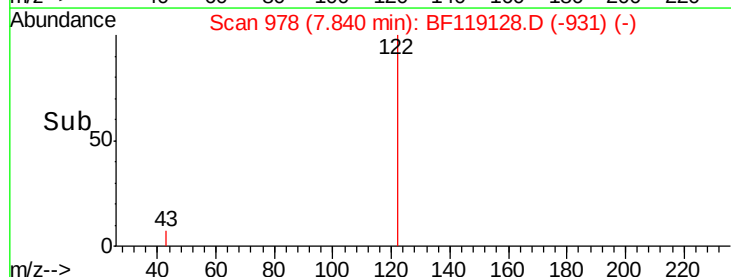
77 0.0 73.1 113.1#

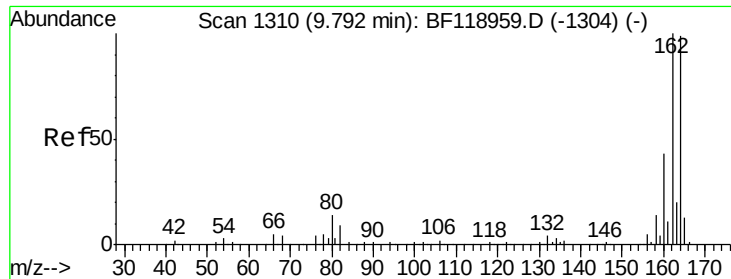


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

Instrument :

BNA_F

ClientSampleId :

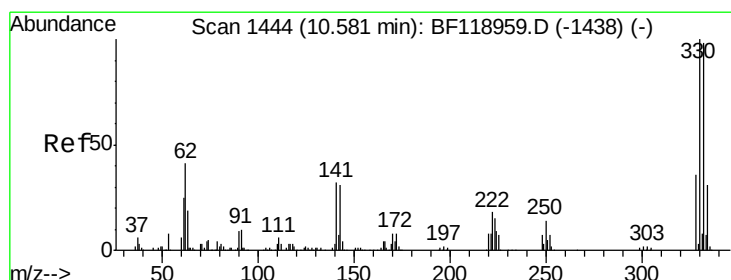
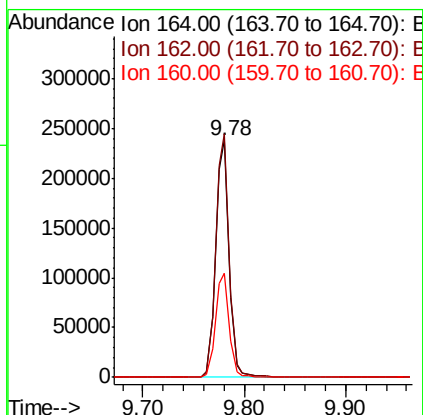
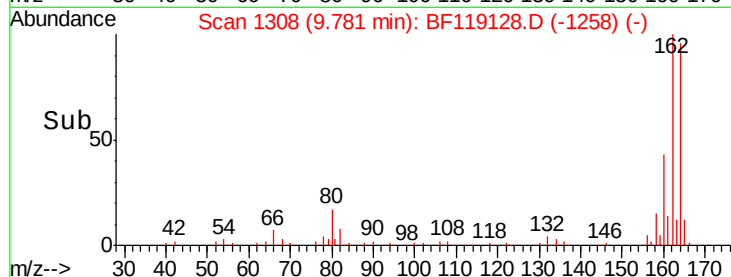
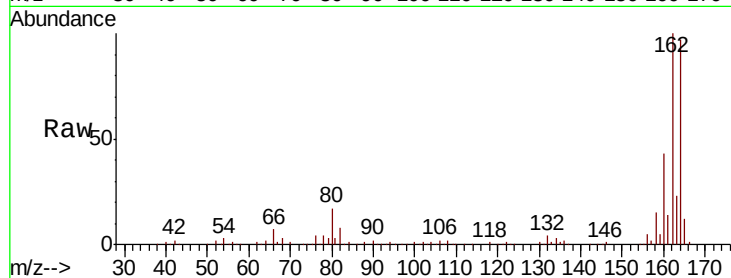
Tot Ion:164 Resp: 219945

Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.8

160 44.0 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 65.713 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

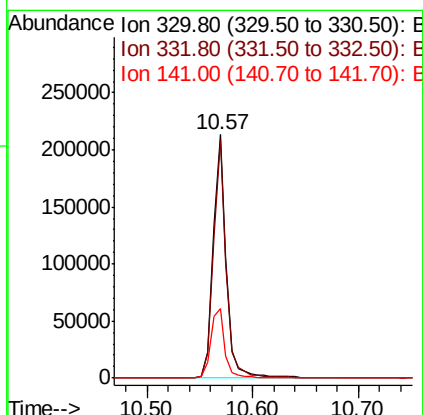
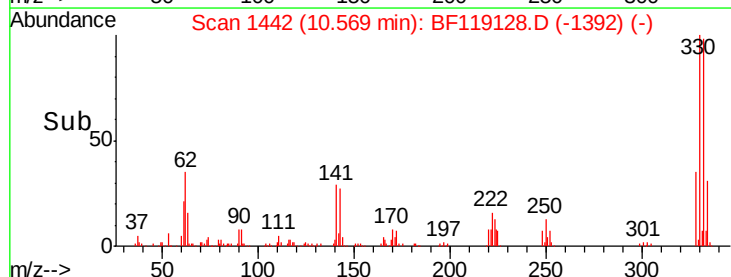
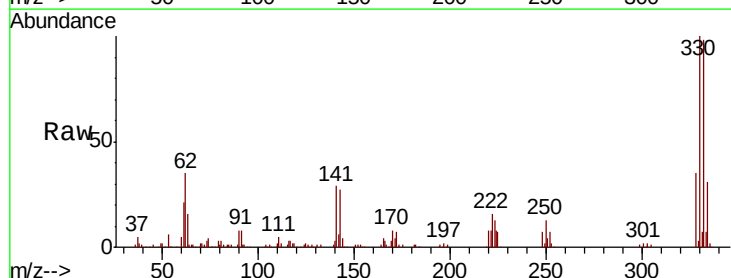
Tgt Ion:330 Resp: 189072

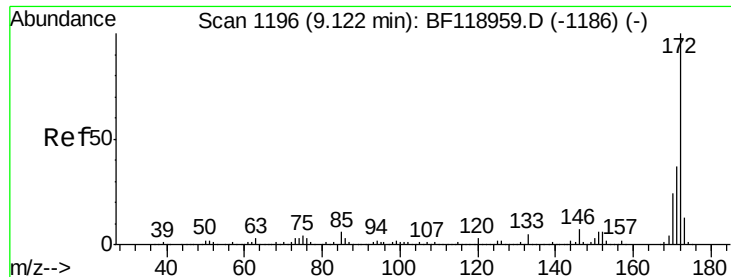
Ion Ratio Lower Upper

330 100

332 95.6 76.0 114.0

141 30.9 22.9 34.3

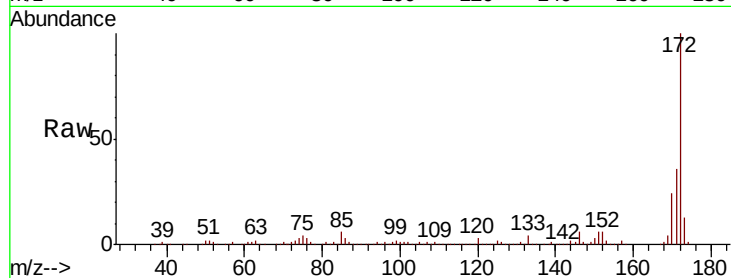




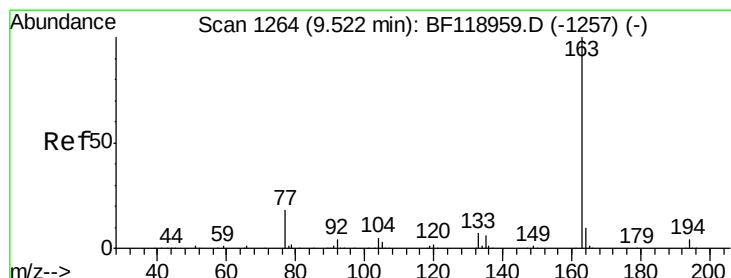
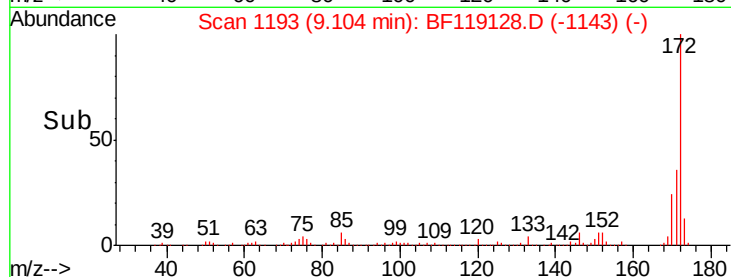
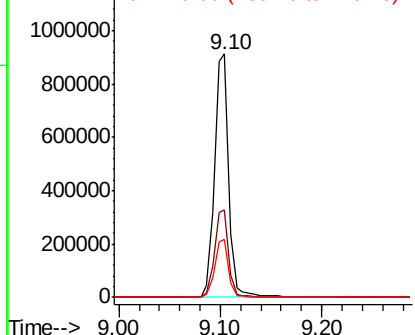
#45
2-Fluorobiphenyl
Concen: 59.837 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 893372
Ion Ratio Lower Upper
172 100
171 35.9 30.6 45.8
170 23.7 20.2 30.2

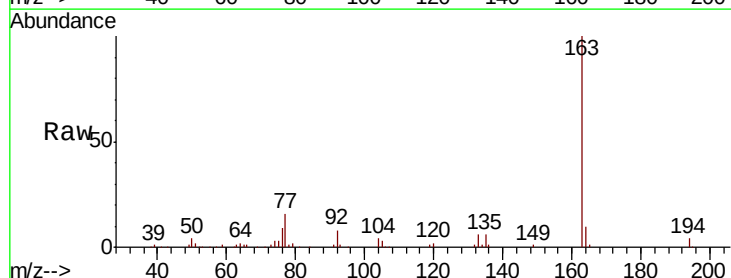


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

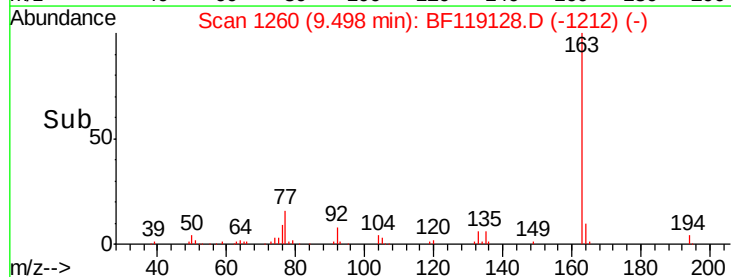
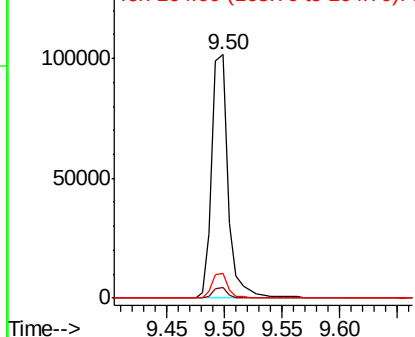


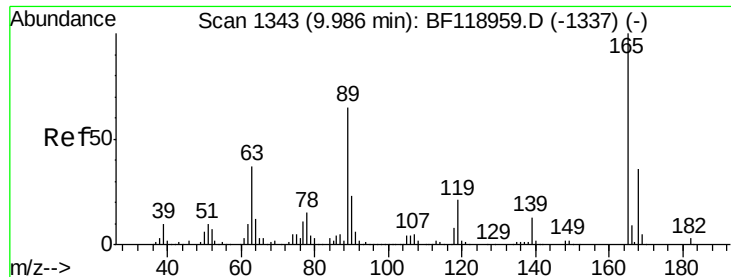
#50
Dimethylphthalate
Concen: 6.022 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

Tgt Ion:163 Resp: 101280
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

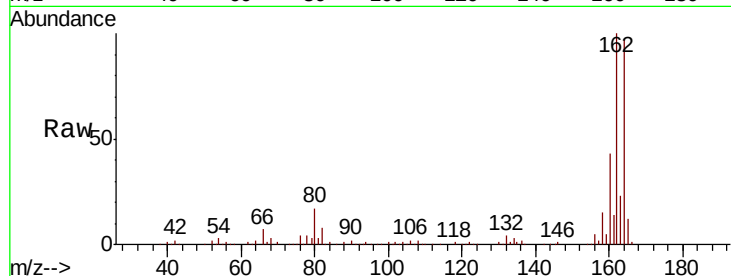




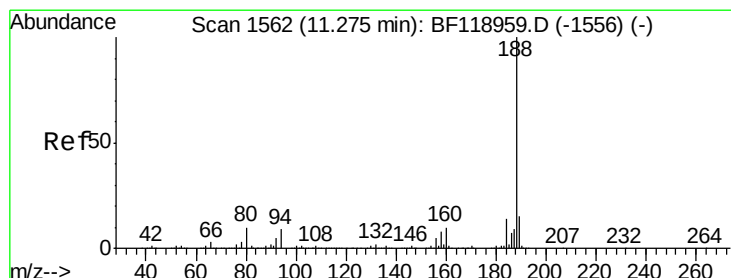
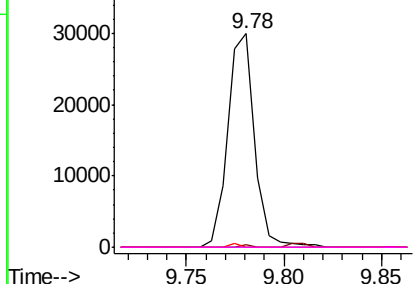
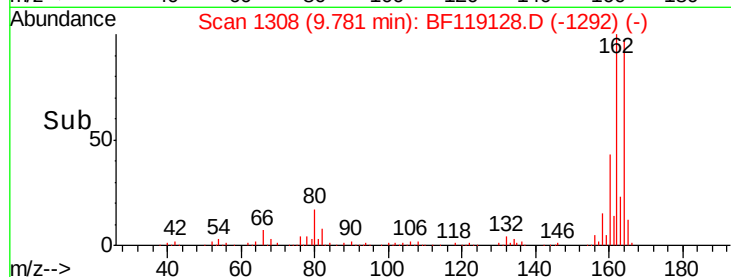
#57
 2,4-Dinitrotoluene
 Concen: 5.868 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.21 min
 Lab File: BF119128.D
 Acq: 28 Feb 2020 1:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	28423
Ion Ratio	Lower	Upper
165	100	
63	1.0	42.3 63.5#
89	0.0	60.2 90.4#
182	0.0	2.3 3.5#

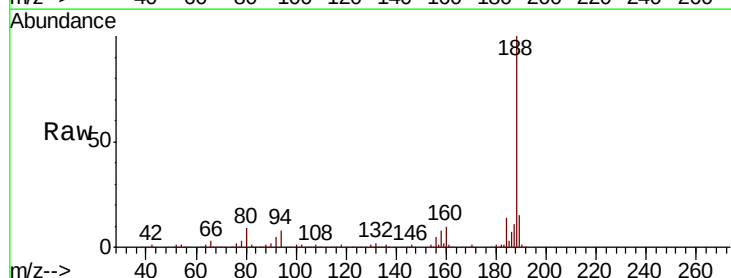


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

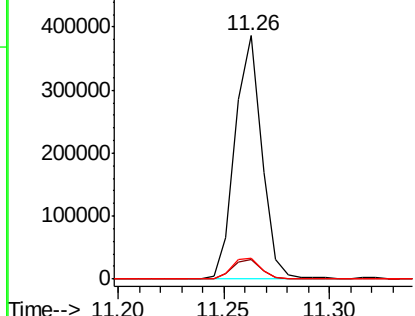
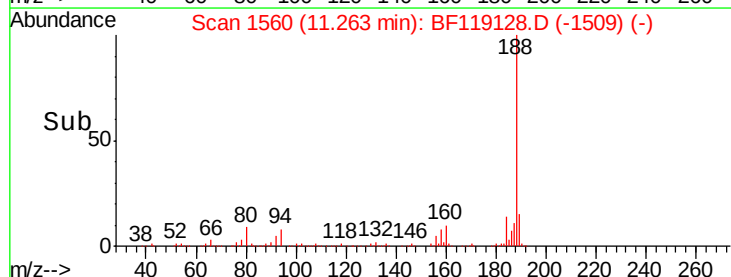


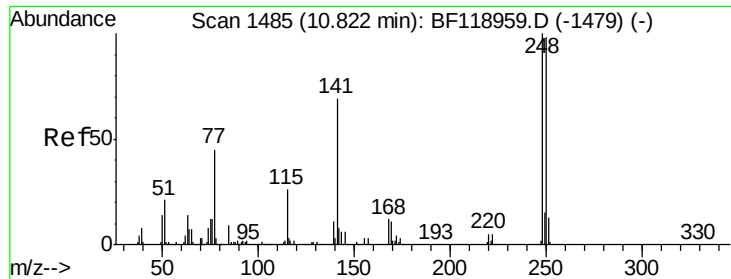
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF119128.D
 Acq: 28 Feb 2020 1:02

Tgt Ion:188	Resp:	338101
Ion Ratio	Lower	Upper
188	100	
94	8.2	7.1 10.7
80	8.8	7.8 11.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

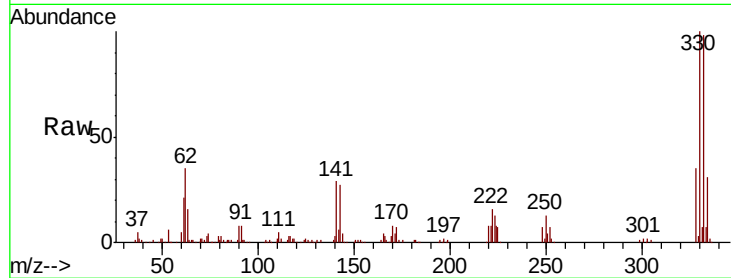




#67
 4-Bromophenyl-phenylether
 Concen: 2.804 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.24 min
 Lab File: BF119128.D
 Acq: 28 Feb 2020 1:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	193.1	76.7	115.1#
141	427.1	60.7	91.1#

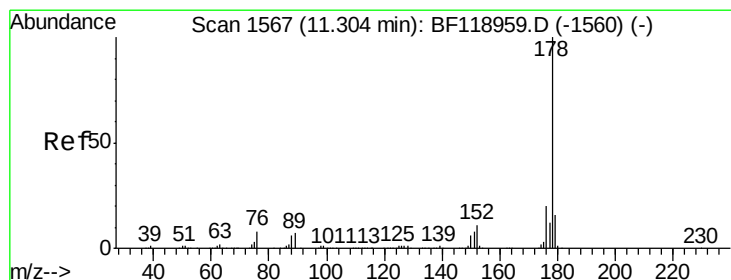
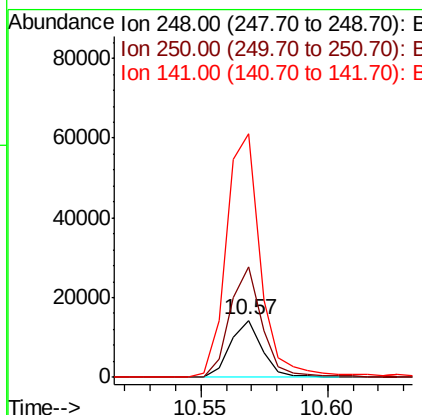
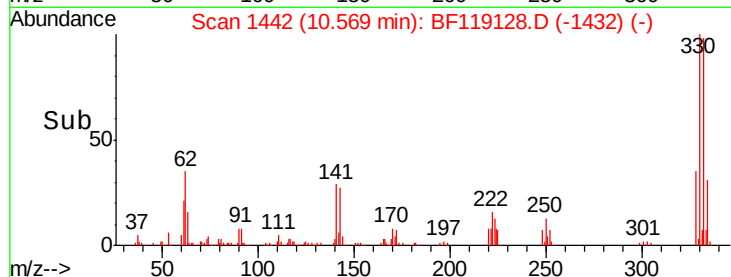


Abundance

Ion 248.00 (247.70 to 248.70): E

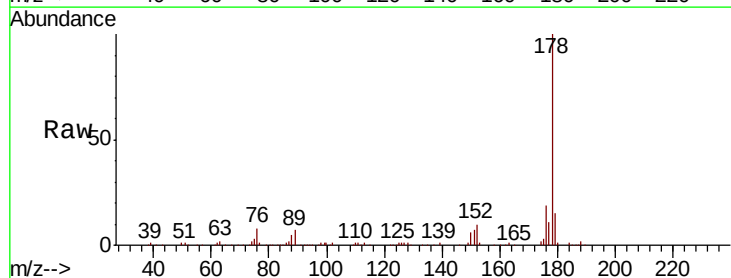
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 7.102 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF119128.D
 Acq: 28 Feb 2020 1:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.5	24.7
179	15.2	13.0	19.6

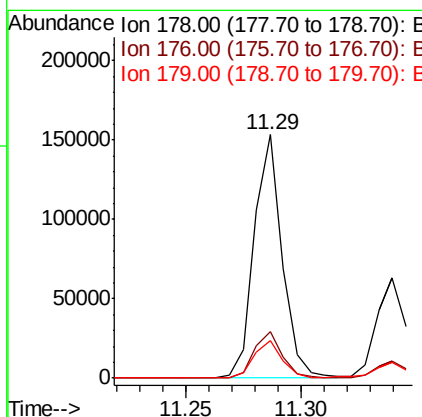
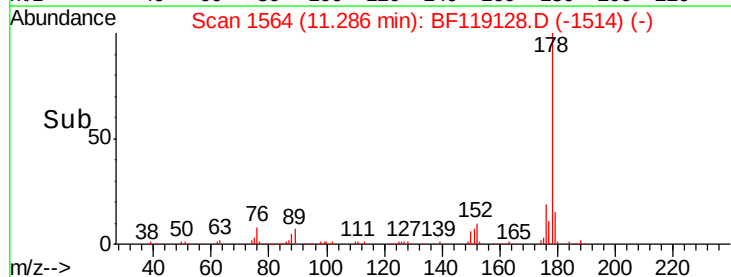


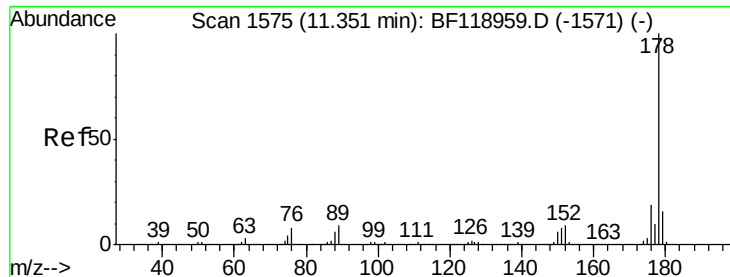
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.257 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

Instrument :

BNA_F

ClientSampleId :

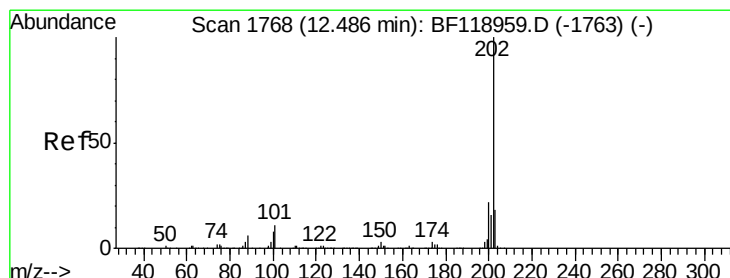
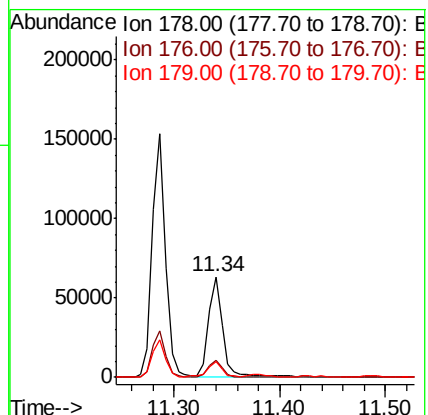
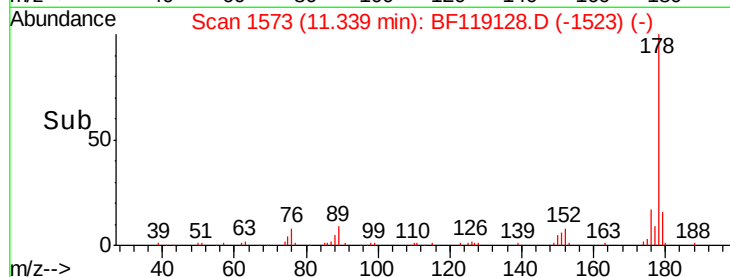
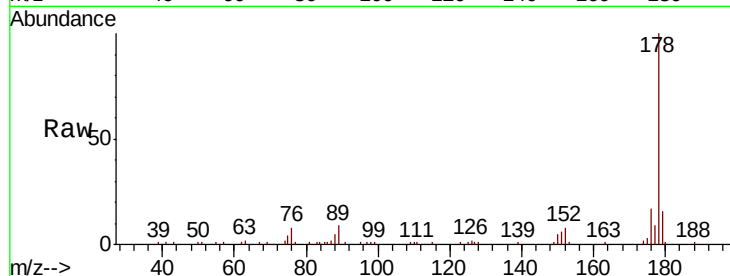
Tot Ion:178 Resp: 60011

Ion Ratio Lower Upper

178 100

176 17.3 16.0 24.0

179 15.8 13.1 19.7



#75

Fluoranthene

Concen: 19.388 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

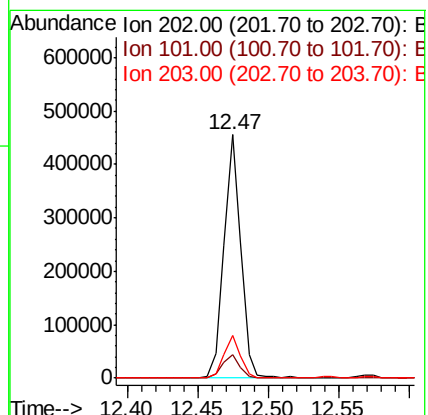
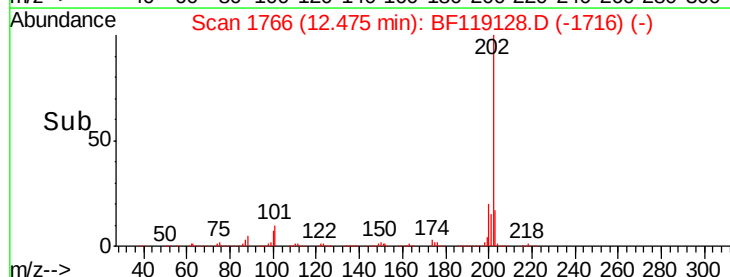
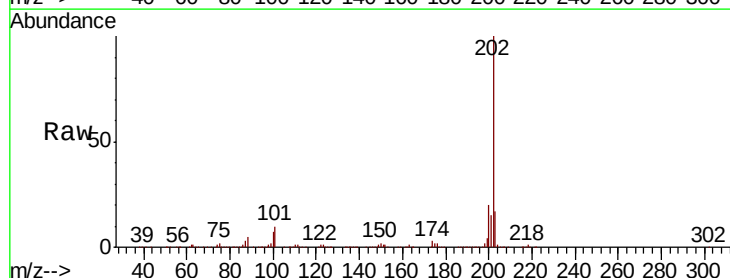
Tgt Ion:202 Resp: 379453

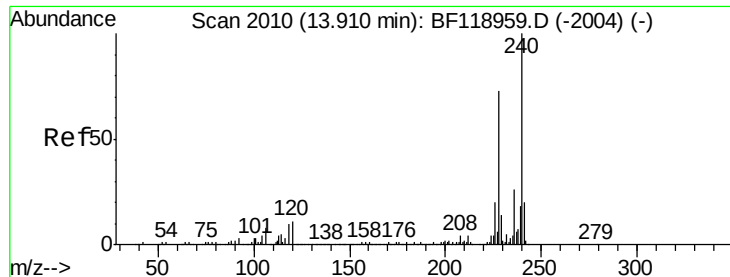
Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.3

203 17.3 0.0 38.4

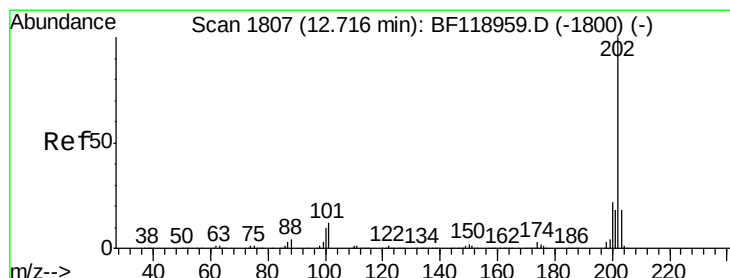
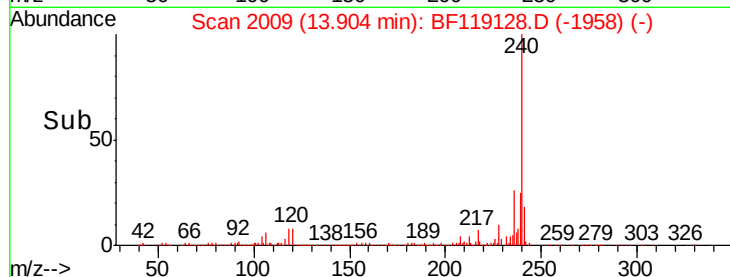
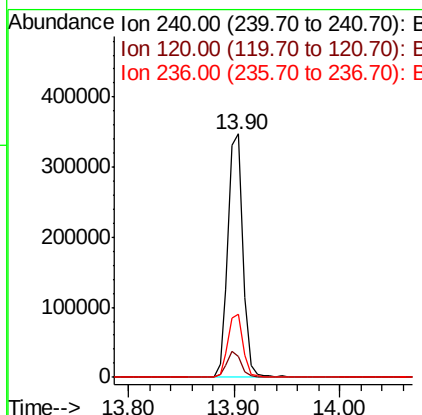
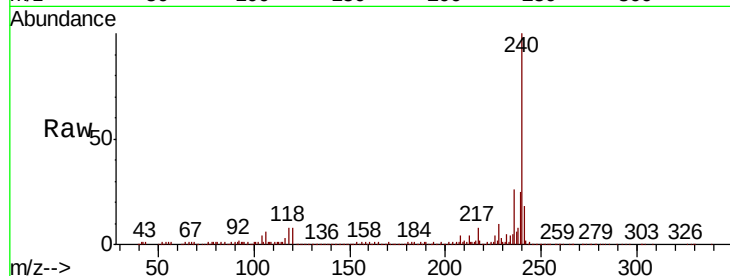




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

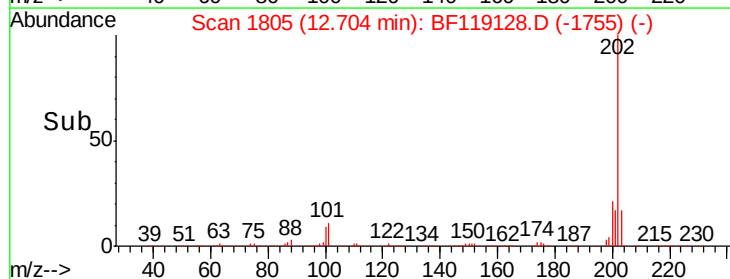
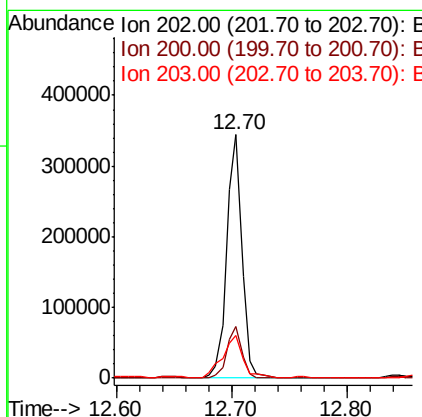
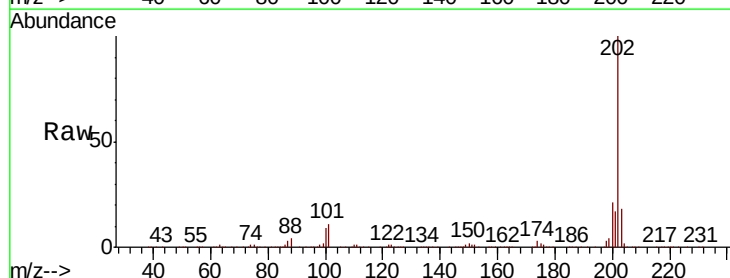
Instrument :
BNA_F
ClientSampleId :

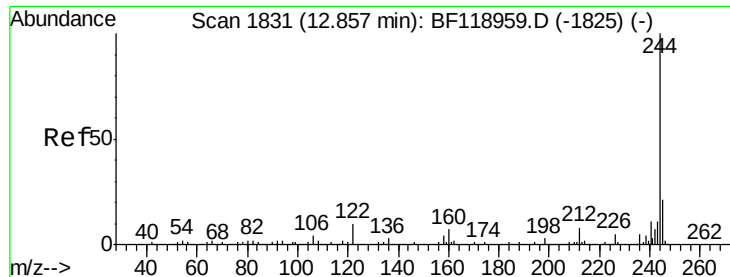
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.5	8.4	12.6
236	25.7	21.0	31.4



#78
Pyrene
Concen: 11.486 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.0	27.0
203	17.8	14.6	22.0

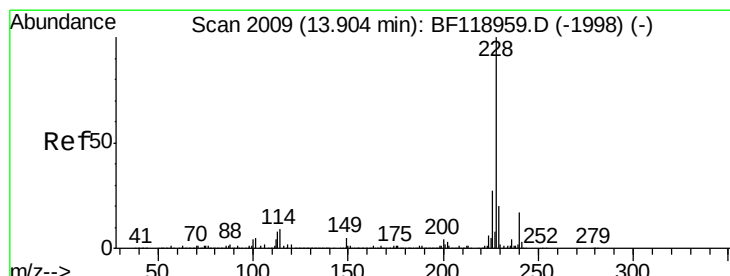
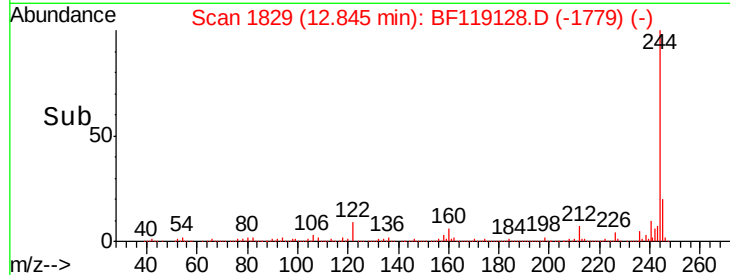
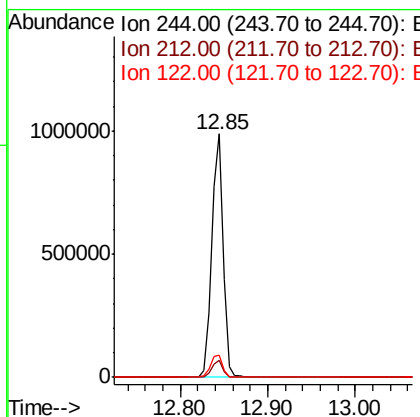
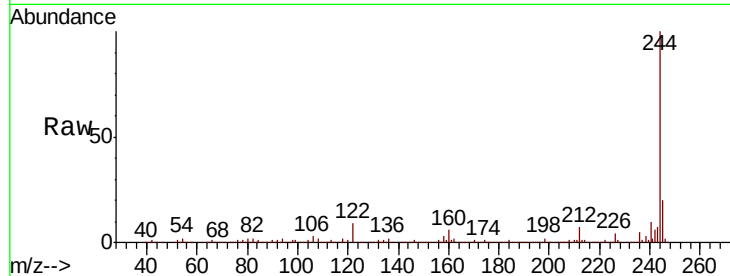




#79
 Terphenyl-d14
 Concen: 45.044 ng
 RT: 12.85 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF119128.D
 Acq: 28 Feb 2020 1:02

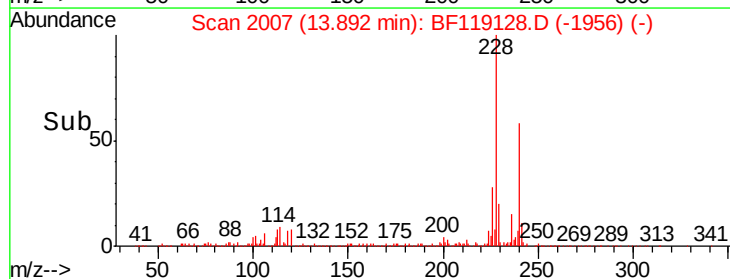
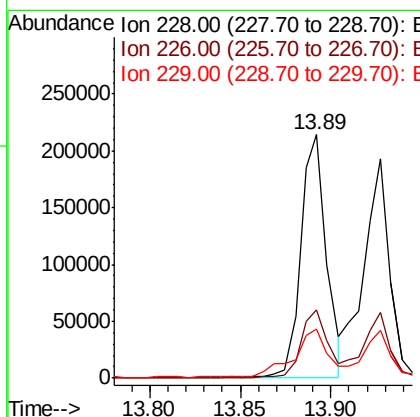
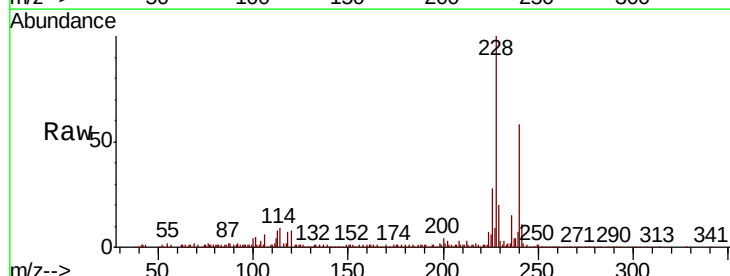
Instrument :
 BNA_F
 ClientSampled :

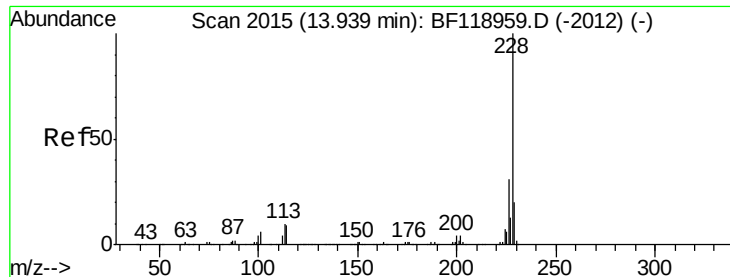
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.6	10.0
122	9.1	8.2	12.2



#81
 Benzo(a)anthracene
 Concen: 9.135 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF119128.D
 Acq: 28 Feb 2020 1:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.4	16.6	24.8





#83

Chrysene

Concen: 8.340 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

Instrument :

BNA_F

ClientSampleId :

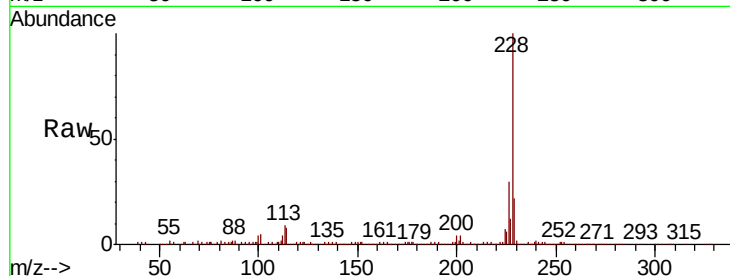
Tot Ion:228 Resp: 193104

Ion Ratio Lower Upper

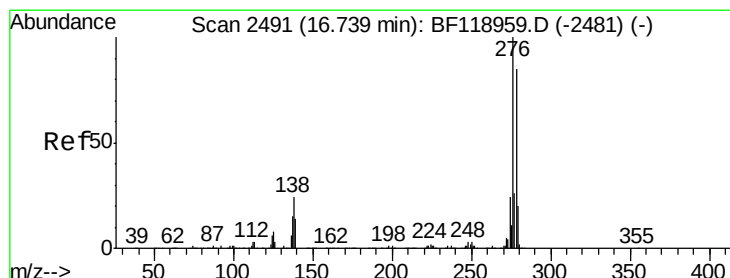
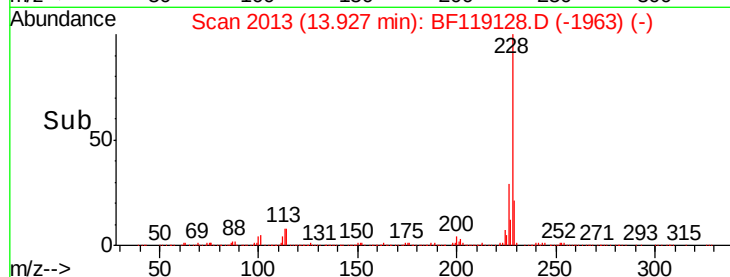
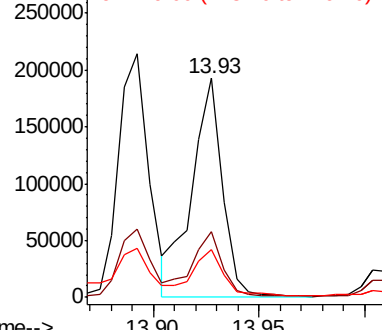
228 100

226 29.8 25.1 37.7

229 21.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.714 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BF119128.D

Acq: 28 Feb 2020 1:02

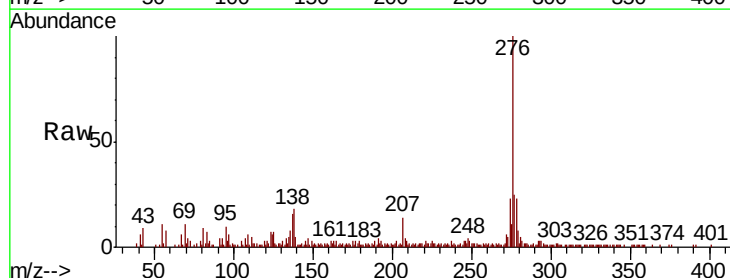
Tgt Ion:276 Resp: 83273

Ion Ratio Lower Upper

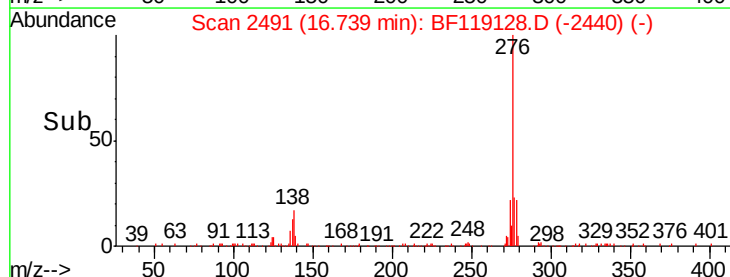
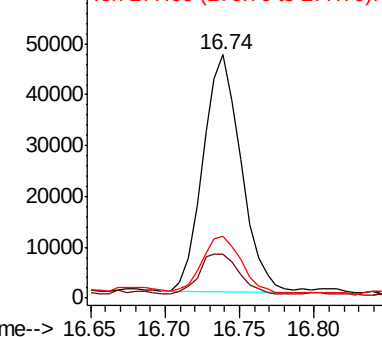
276 100

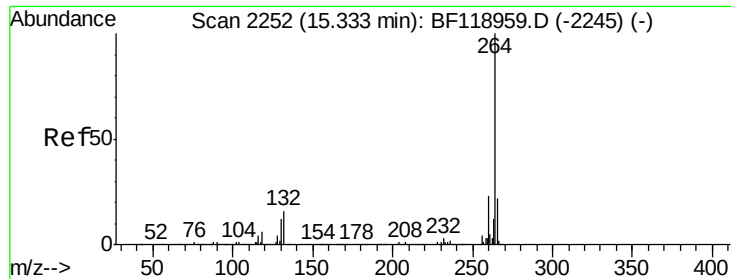
138 18.0 17.4 26.0

277 23.9 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

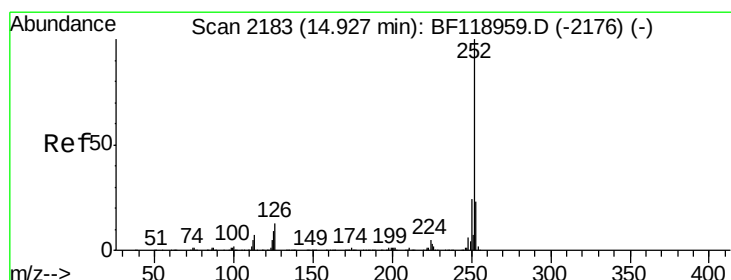
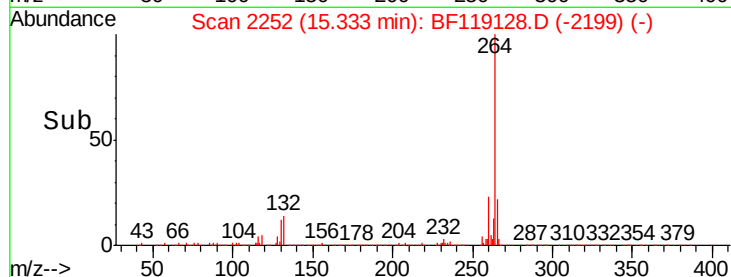
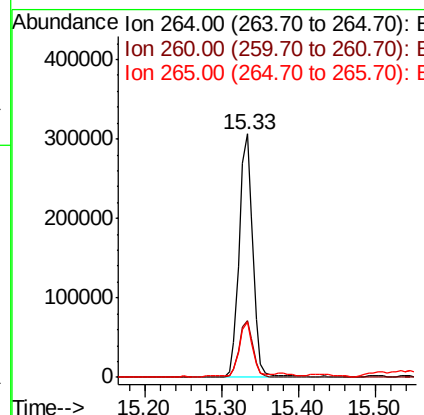
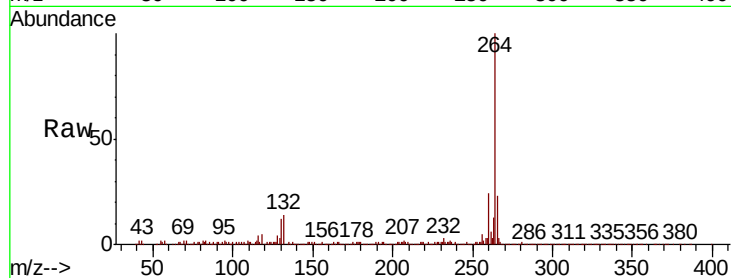




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

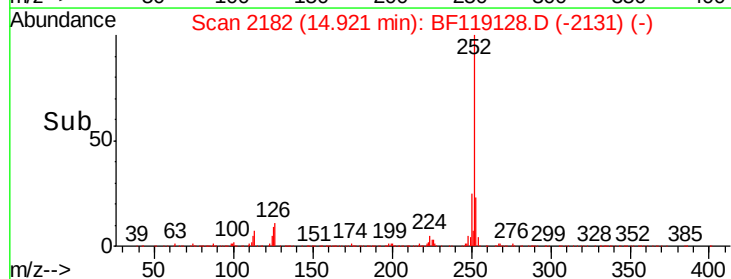
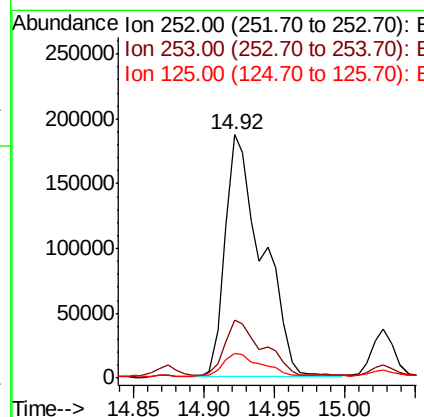
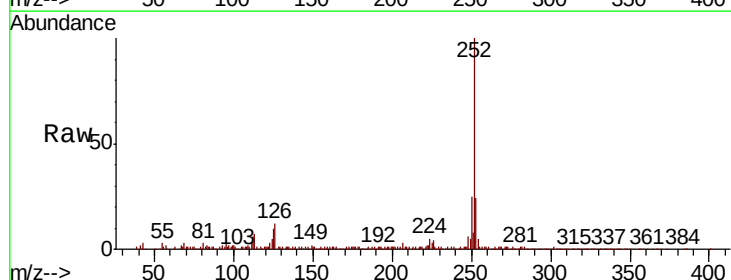
Instrument :
BNA_F
ClientSampleId :

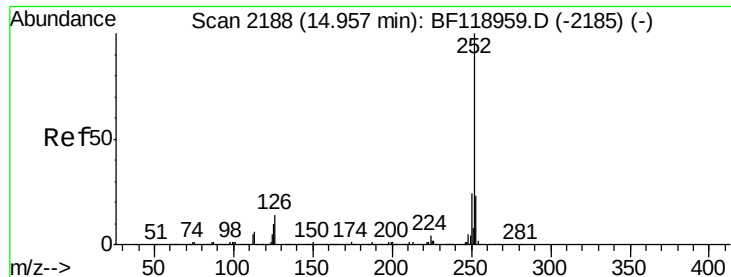
Tot	Ion:264	Resp:	382259
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.5	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 13.630 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

Tgt Ion	252	Resp: Lower	343430 Upper
	Ratio		
252	100		
253	24.0	18.1	27.1
125	10.3	7.4	11.0

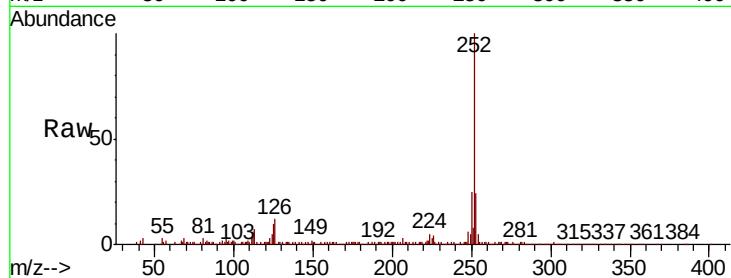




#89
Benzo(k)fluoranthene
Concen: 14.708 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.03 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	10.3	7.5	11.3

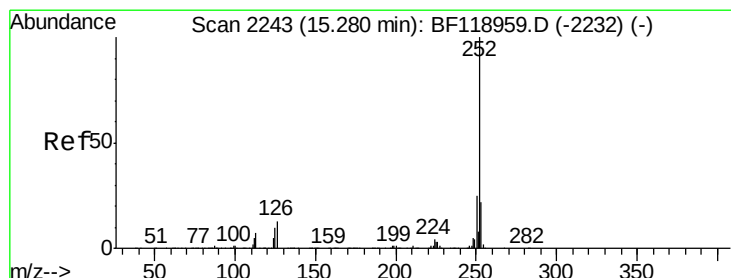
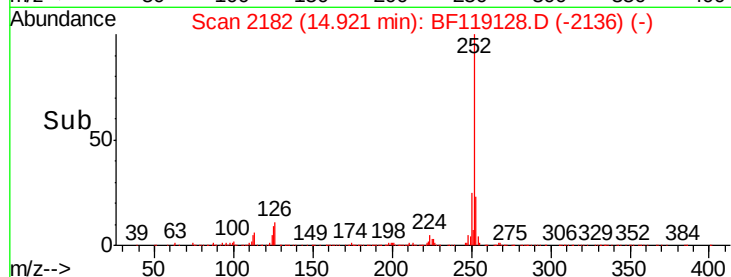
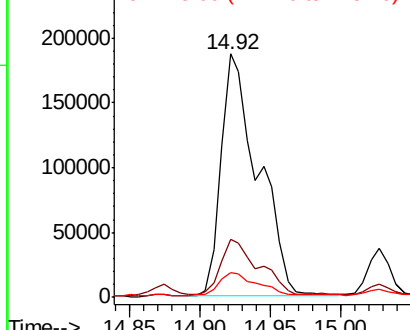


Abundance

Ion 252.00 (251.70 to 252.70): E

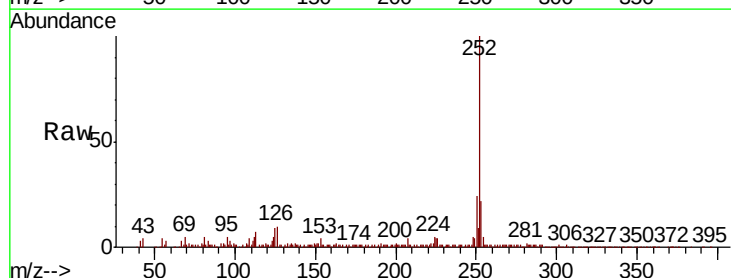
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 7.658 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF119128.D
Acq: 28 Feb 2020 1:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	9.4	8.6	12.8

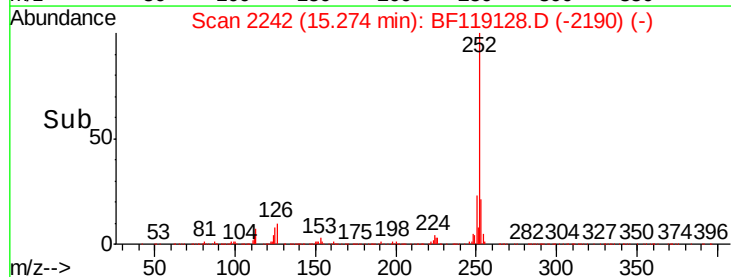
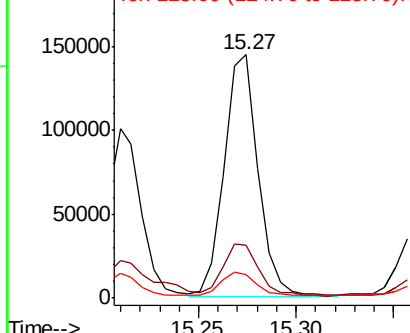


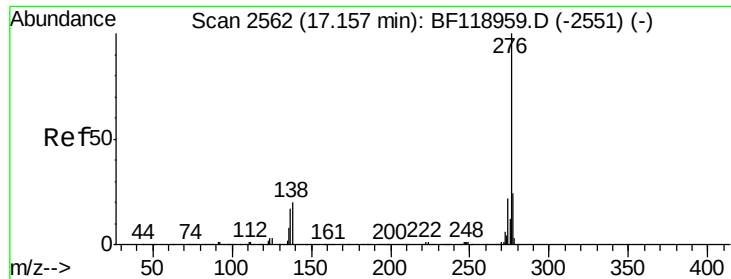
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

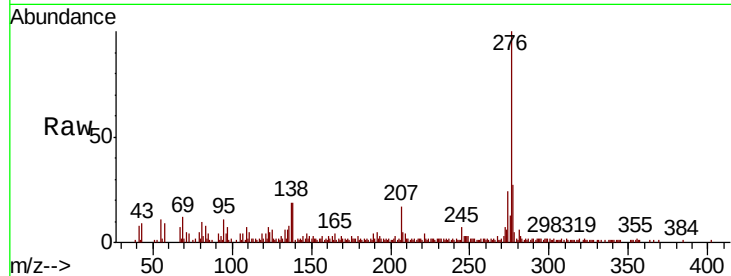




#92
 Benzo(a,h,i)perylene
 Concen: 3.863 ng
 RT: 17.16 min Scan# 2563
 Delta R.T. 0.01 min
 Lab File: BF119128.D
 Acq: 28 Feb 2020 1:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.7	28.1
138	19.3	14.3	21.5



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

